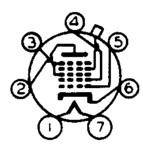
6A7

6A7

PENTAGRID CONVERTER

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:		
Grid #4 to Plate	0.3°	μμf
Grid #4 to Grid #2	0.15°	μμf
Grid #4 to Grid #1	0.15°	μμf
Grid #1 to Grid #2	1.0	μμf
Grid #4 to All Other Electrodes (R-F Input)	8.5	μμf
Grid #2 to All Other Electrodes (Osc. Output)	5.5	μμf
Grid #1 to All Other Electrodes (Osc. Input)	7.0	μμf
Plate to All Other Electrodes (Mixer Output)	9.0	μμf
Overall Length	4-9/32" to 4-17/32"	
Seated Height	3-21/32" to 3-29/32" ◄	
Maximum Diameter	1-9/16"	
Bulb	ST-12	
Cap	Small Metal	
Base	Small 7-Pin▲	

Pin 1 - Heater
Pin 2 - Plate
Pin 3 - Grids #3 & #5
Pin 4 - Grid #2



BOTTOM VIEW (7C)

Pin 5 - Grid #1
Pin 6 - Cathode
Pin 7 - Heater
Cap - Grid #4

Mounting Position: Any

Maximum Ratings, Typical Operating Conditions, and Curves are the same as for Type 6A8.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
° With shield-can connected to cathode.
▲ Requires different socket than medium 7-pin base.

◄ Indicates a change.